

METHOD AND APPARATUS FOR PROVIDING UPDATED SYSTEM LOCALITY
INFORMATION DURING RUNTIME

ABSTRACT

5 Embodiments of the invention provide a method and an
apparatus to collect and dynamically update system locality information
during runtime. In one method embodiment, the present invention
collects system locality information at boot time to be provided to an
operating system. The system locality information describes distances
10 between devices within an integrated processing system. The operating
system is then notified that a triggering event has occurred that may
potentially alter the distances between devices within the integrated
processing system. Upon receipt of this notification, the operating
system invokes an Advanced Configuration and Power Interface (ACPI)
15 procedure that provides updated system locality information during
runtime to reflect the changes in distances between devices within the
integrated processor system after the occurrence of the triggering
event.